

Baltimore City Fire Department and the Department of General Services

EPC Project Overview

Johnson Controls would like to commend the Baltimore City Fire Department (BCFD) for their efforts in managing and containing public resources under challenging circumstances. Johnson Controls is committed to help you serve and protect your community by providing a comprehensive guaranteed energy savings performance project.

RESULTS

The self-funding project that Johnson Controls presents, will propose the following:

- \$4.8 million in energy and facility improvement projects
- \$460,000 in annual guaranteed energy and operational savings
- Over 20% in annual reduction of energy usage
- Nearly \$7 million in utility savings and avoided operational costs guaranteed over 15 years
- Reduction of approximately 850,000 kWh of electricity, over 40,000 therms of natural gas, and nearly 20,000 gallons of fuel oil.
- Annual reduction of greenhouse gas emissions: over 2 million lbs of CO₂, over 50 thousand lbs of SO₂, and approximately 30 thousand lbs of NO_x



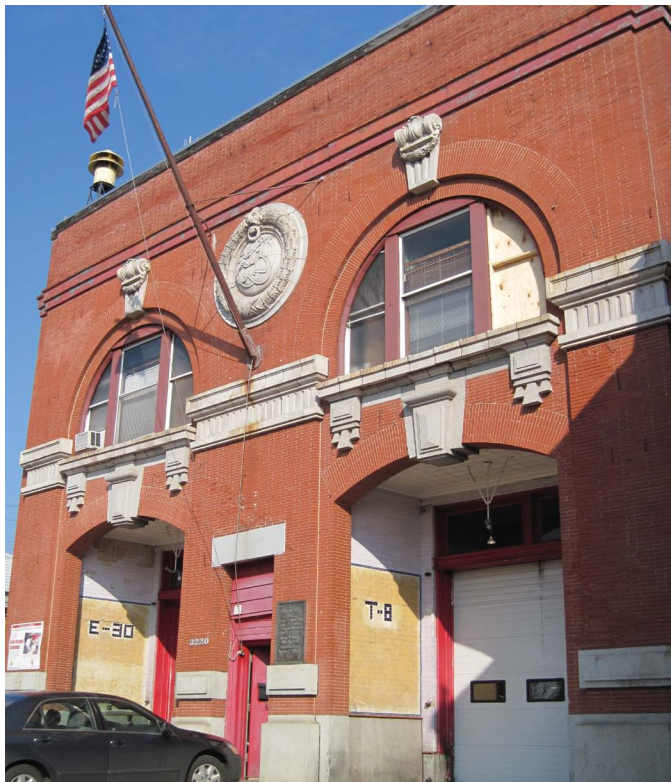
BENEFITS

- Provide the greatest energy cost reduction opportunities
- Address numerous infrastructure deferred maintenance projects
- Significant improvements to environmental comfort
- Maximize and leverage rebate programs to enhance the project

SOLUTIONS

- Lighting system upgrades, modernization and occupancy sensor controls in nearly all facilities
- Building envelope infiltration reductions
- Heating system upgrades and modernization, boiler replacements and upgrades

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SOLUTIONS (CONTINUED)

- Cooling system upgrades, modernization and replacement of air conditioning units
- Window replacement projects
- Bay door replacement and insulation projects

GUARANTEES

- The project will meet the projected financial and operational expectations.
- Johnson Controls will provide thorough and reliable methods to develop projects, monitor energy savings, and provide accountability.
- If the energy savings are less than the guaranteed amount, we will pay the shortfall.
- The guarantee will be measured monthly and reconciled annually with BCFD.

